LINDY®

COMPUTER CONNECTION TECHNOLOGY

PCMCIA 10Base-T/2 Ethernet Adapter

User Manual *English*

LINDY No. 70982

www.LINDY.com

CE

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Contents

INTRODUCTION 2

FEATURES 2

PACKAGE CONTENTS 2

INSTALLING THE ETHERNET CARD 3

README.TXT File 3

Diagnostics 3

SETUP FOR DOS/WINDOWS 3.X 3

Netware DOS ODI Driver 5

Packet Driver 5

SETUP FOR WINDOWS 95/98 6

SETUP FOR WINDOWS NT 9

SETUP FOR WINDOWS 2000 12

SETUP FOR WINDOWS ME 14

SETUP FOR WINDOWS XP 15

Introduction

Thank you for purchasing the LINDY PCMCIA 10Base-T/2 Ethernet Card. This Ethernet card supports 10Base-2 and 10Base-T networks. The card is NE2000 compatible and supports “Hot Swap” insertion and removal.

Features

- Bus Type: 16 Bit PCMCIA
- Complies with IEEE802.3 standard (10Base-T/2)
- NE2000 Ethernet Adapter compatible
- Complies with PCMCIA release 2.1 and JEIDA 4.x standards
- Software configurable
- “Hot swap” insertion and removal
- LED diagnostic and activity indicators
- Card Connector: RJ-45 STP/UTP (10Base-T) & BNC (10Base-2)
- Compatible with Card and Socket Services including SystemSoft, Phoenix, AMI and Award
- Software Compatibility: Windows 95/98/ME/NT/2000/XP, ODI NetWare 3.x and 4.x, NDIS 3.0/4.0

Package Contents

- 1 x PCMCIA Ethernet Card
- Plastic Case
- RJ-45/BNC Adapter
- BNC T-Piece
- Driver disk
- This manual

Installing the Ethernet Card

The LINDY PCMCIA 10Base-T/2 Ethernet Card installs into a spare Type II or III PCMCIA slot in your computer. If you are having trouble locating this slot, refer to your computer's user manual or consult the manufacturer.

Gently slide the card into the PCMCIA slot. Make sure the card is firmly seated in the socket. Now you are ready to setup and install your communication software, as detailed in the following section.

README.TXT File

On the driver disk is a file called README.TXT which contains an installation guide and information about the disk contents.

Diagnostics

A DOS based diagnostics program, named CARDTEST.EXE is located on the driver disk; it can be used to check network connectivity after the hardware installation is complete. It provides the following diagnostics functions:

- I/O Port verification
- IRQ verification
- RAM testing
- Ethernet node address verification
- Internal loop-back testing
- External loop-back testing

To run the CARDTEST.EXE file, the PCMCIA enabling program must be loaded first. ENABLE.EXE is used to enable the PCMCIA interface.

Setup for DOS/Windows 3.x

Before you use the Ethernet Card in a DOS or Windows 3.x environment, your computer must have the proper Card and Socket Services drivers installed. The Card and Socket Services driver software allows your computer to access the PCMCIA sockets. If these drivers are not already installed on your system, or if you do not know whether they are installed, check your system manual or consult the manufacturer of your computer. The most popular Socket and Card Services are Systemsoft, CardWizard, Phoenix's PCM and AMI Card Manager Pro 3.0.

If EMM386.EXE is installed in the CONFIG.SYS file, please exclude memory address D400-D7FF from your system. The PCMCIA Ethernet card enabling program will use this space to read Ethernet Node ID and CIS from the on-board flash memory.

[Example]

DEVICE=EMM386.EXE NOEMS X=D400-D7FF
or
DEVICE=EMM386.EXE NOEMS X=D000-DFFF

For Card and Socket Services device drivers in the CONFIG.SYS file, please add the ENABLE.EXE. The default parameters for the ENABLE.EXE program are INT=5, PORT=300 and MEM=D400. The following examples describe which instructions are needed for the popular Card and Socket Services providers.

Phoenix PCM+ V3.0

DEVICE=C:\PCM3\CNFIGNAM.EXE /SETUP-DEFAULTS
DEVICE=C:\PCM3\PCMSS.EXE
DEVICE=C:\PCM3\PCMCS.EXE
DEVICE=C:\PCM3\PCMRMAN.SYS
DEVICE=C:\PCM3\PCMSCD.EXE
DEVICE=ENABLE.EXE

SystemSoft CardSoft V3.1

DEVICE=C:\CARDSOFT\SS365SL.EXE
DEVICE=C:\CARDSOFT\CS.EXE
DEVICE=C:\CARDSOFT\CSALLOC.EXE
DEVICE=ENABLE.EXE

Award Cardware V2.0

DEVICE=C:\CARDWARE\SSPCIC.EXE
DEVICE=C:\CARDWARE\PCCS.EXE
DEVICE=C:\CARDWARE\PCRM.EXE /AUTODETECT
DEVICE=ENABLE.EXE

[Note] Please do not use PCENABLE.EXE

AMI AMICard Manager

DEVICE=C:\AMI\SSSL.SYS
DEVICE=C:\AMI\AMICS.SYS
DEVICE=ENABLE.EXE

[Note] Please do not use PCBE.SYS

Databook CardTalk V3.02

DEVICE=C:\CARDTALK\TMB250.SYS /io:240
DEVICE=C:\CARDTALK\CTALKCS.EXE
DEVICE=C:\CARDTALK\CARDTALK.EXE /A /IOW=300-31F /MEMW=D000-D7FF
DEVICE=ENABLE.EXE

IBM Thinkpad Socket and Card Services V2.12

DEVICE=C\EMM386.EXE NOEMS I=B000-B7FF X=C800-CFFF X=D000-DFFF
DEVICE=C:\THINKPAD\IBMDSS01.SYS /D
DEVICE=C:\THINKPAD\IBMDOSCS.SYS
DEVICE=C:\THINKPAD\DICRMU01.SYS /MA=C800-DFFF
DEVICE=C:\THINKPAD\$ICPMDOS.SYS
DEVICE=ENABLE.EXE

Netware DOS ODI Driver

The DOS ODI driver for Netware 3.x and 4.x network operating systems is located in the ODI directory of the driver diskette. The filename is CARDODI.COM. To install this ODI driver, there is a batch file called STARTNET.BAT which is located in the same directory. There are five files needed to install the DOS ODI driver; they are:

1. LSL.COM----- Supported by Novell
2. CARDODI.COM----- ODI driver, supported by this product
3. IPXODI.COM----- Supported by Novell
4. NETX.EXE----- Supported by Novell or EMSNETX.EXE or XMSNETX.EXE
5. NET.CFG----- Configuration File

The NET.CFG file is used to decide the configuration of the Ethernet Card. The following statements are the sample contents in NET.CFG. If you have any problem with these settings, check your Netware Operating System user manual.

Protocol
bind CARDODI
Link Driver CARDODI
int 5
port 300
frame Ethernet_802.2
frame Ethernet_802.3
frame Ethernet_II
frame Ethernet_snap
protocol IPX 0 Ethernet_802.3

Packet Driver

To use FTP PC/TCP or NCSA Telnet utilities, a packet driver for the network adapter is needed. This product supports a packet driver called CARDPD.COM. To load this packet driver, just execute the following command:

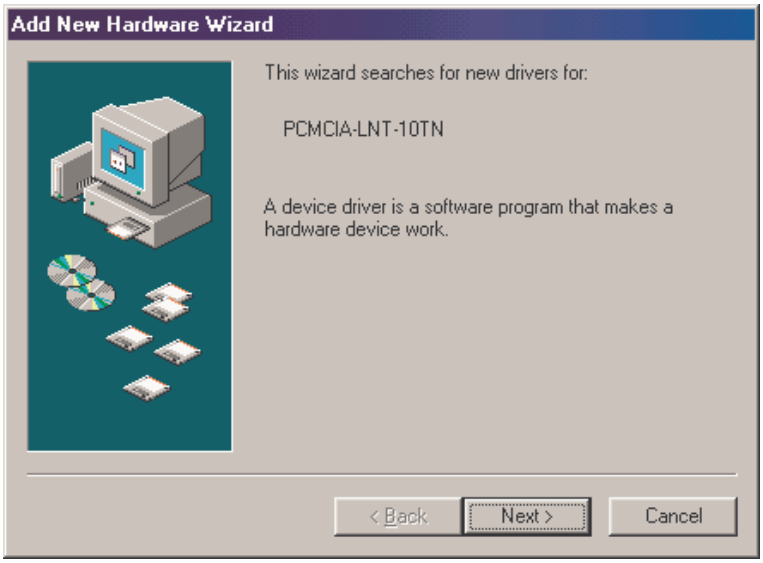
CARDPD 0x60

For detailed syntax, refer to the README.TXT on the driver diskette.

Setup for Windows 95/98

1. Make sure the PC is powered on and booted into Windows.

2. Insert the Ethernet adapter into the PCMCIA slot in your PC. The system will display the "Add New Hardware Wizard" dialog box. Insert the driver diskette into the floppy drive and then click "Next".



3. Select **"Search for the Best Driver for your device (Recommended) "**. Click **"Next"** button.

4. Select **"Floppy disk drives"** (or select **"Specify a location"** and type **"A:\WIN98"** in the location). Click **"Next"**

5. After Windows finds the driver - **"PCMCIA NE2000 Compatible Ethernet Adapter"**, click **"Next"**.

6. After the driver is found, Windows will begin to copy all the necessary files. If Windows tries to copy the **"PCMCARD.SYS"** file, input **"A:\WIN98"** to specify the location of this file.

7. Windows may request you to **"Insert Windows 98 CD-ROM into the drive selected, and click OK"**. Follow the instructions and insert your Windows CD-ROM or disks as needed, and then click **"OK"**.

8. When Windows finishes the installation, the **"PCMCIA NE2000 Compatible Ethernet Adapter"**, message box will be displayed. Click the **"Finish"** button.

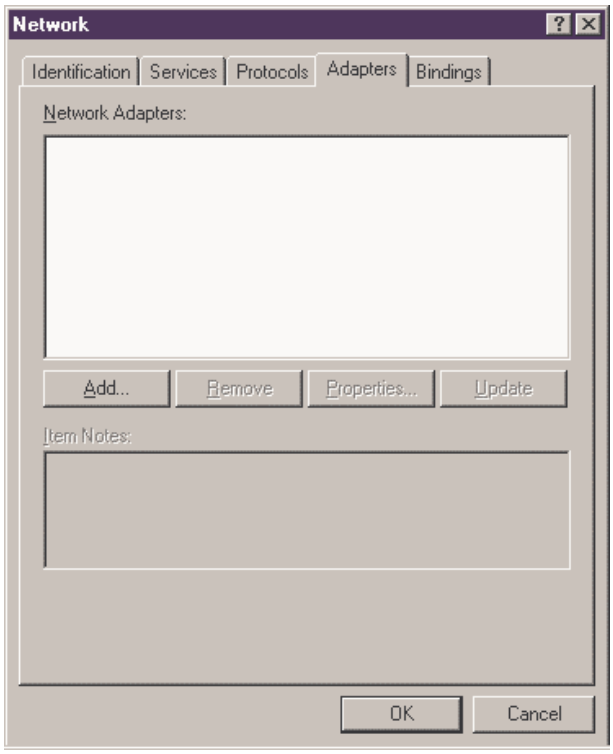
9. The system will prompt **"Do you want to restart your computer now"**. Click **"Yes"** to restart your computer.

10. After the computer has restarted, the network function will be ready.

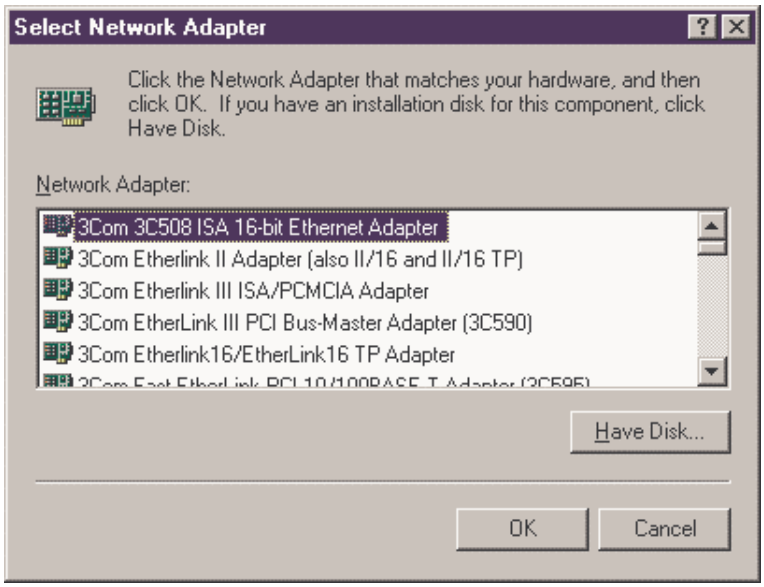
Setup for Windows NT

Follow the procedure below to get up and running.

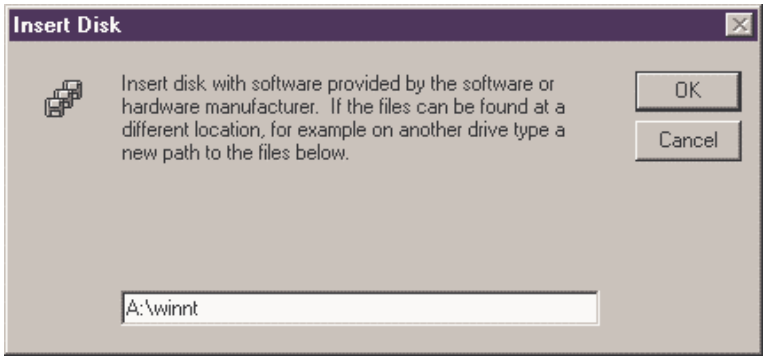
1. Insert the Ethernet Card in your computer
2. Start the computer
3. Double click the **"Control Panel/Network"** section. Select **"Adapters"** and click the **"Add"** button.



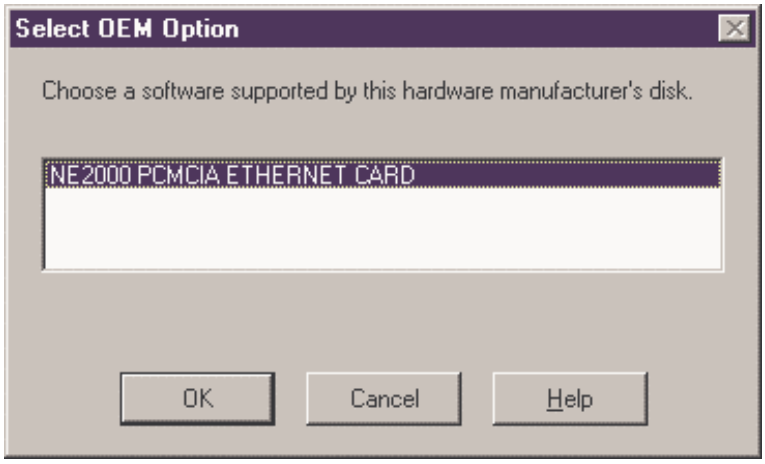
4. In the **"Select Network Adapter"** dialog box, select the **"Have Disk"** option.



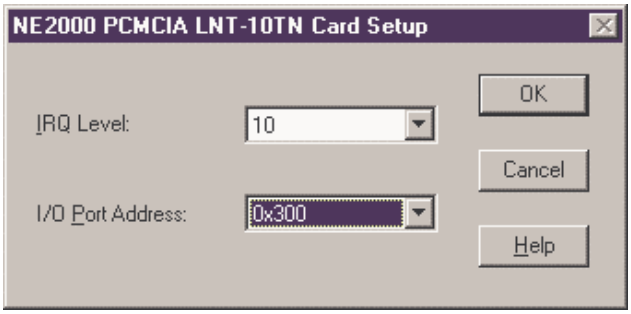
5. An **"Insert Disk"** box is displayed. Insert the driver disk and type **"A:\WINNT"**.

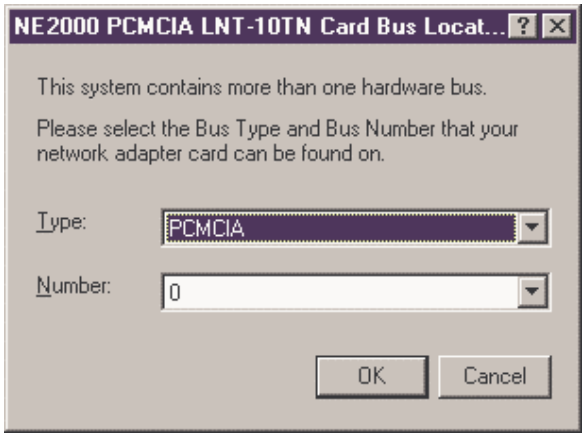


6. **"NE2000 PCMCIA ETHERNET CARD"** is displayed in the **"Select OEM Option"** dialog box. Click **"OK".**

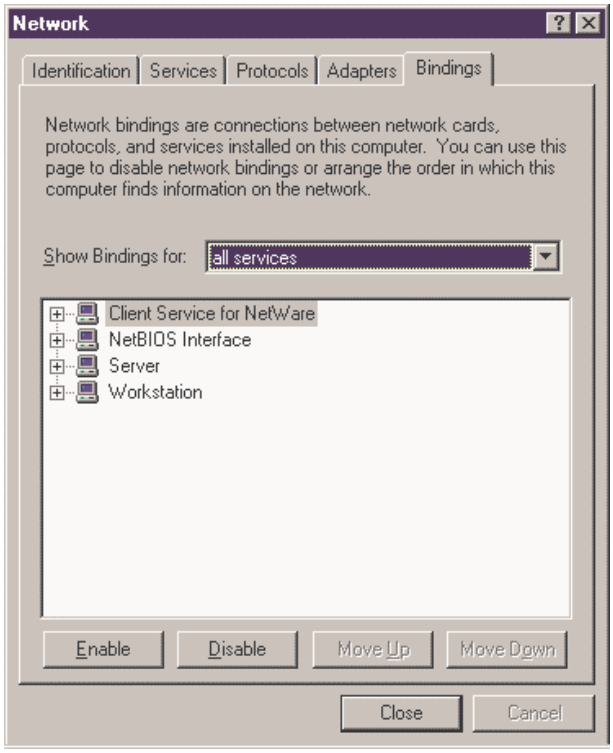


7. Select the free IRQ, I/O Port Address and press **"OK"**. You must select hardware bus if the system contains more than one hardware bus. Type **"PCMCIA"** and Number **"0"**, then press **"OK"**.

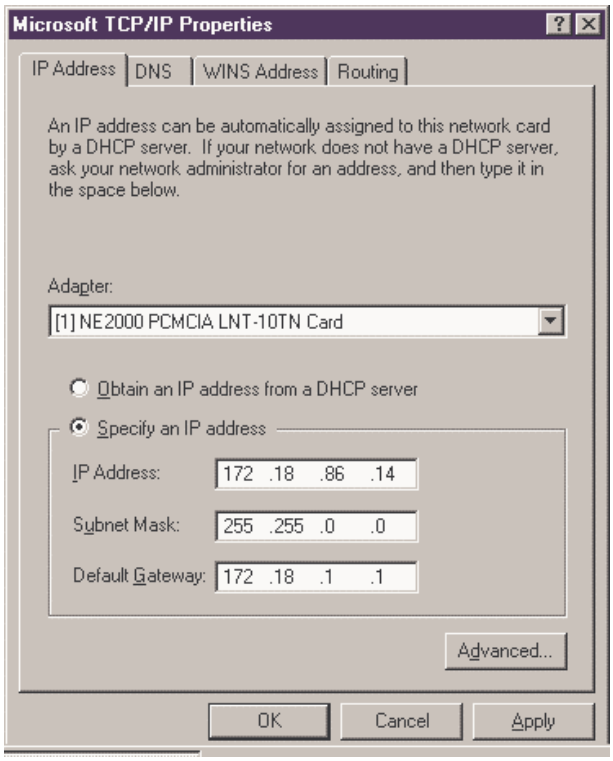




8. Go back to **"Network"** and select **"Bindings"**. Click the **"Close"** button to enable the network function.



9. Ask your Windows NT Server administrator to set the IP Address.



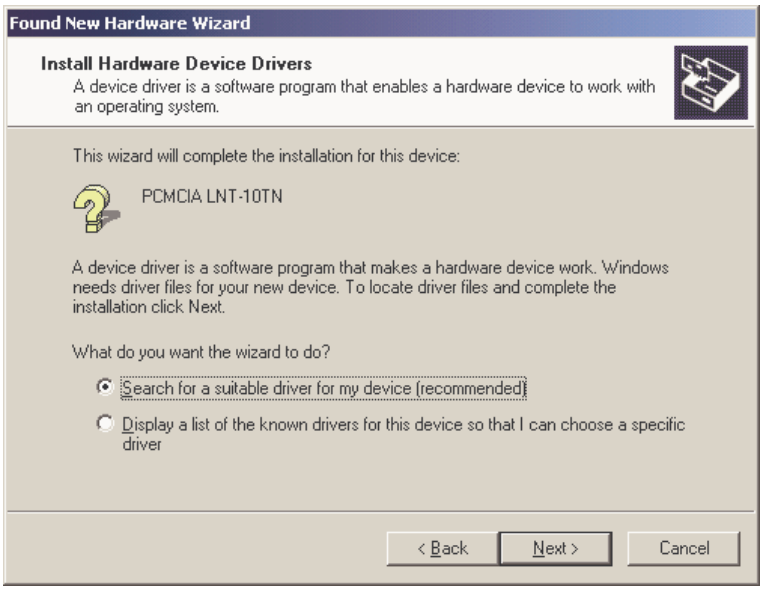
10. Click **"OK"** to finish the network settings. A **"Network Setting Change"** box is displayed. Click **"Yes"** to restart your computer.

Setup for Windows 2000

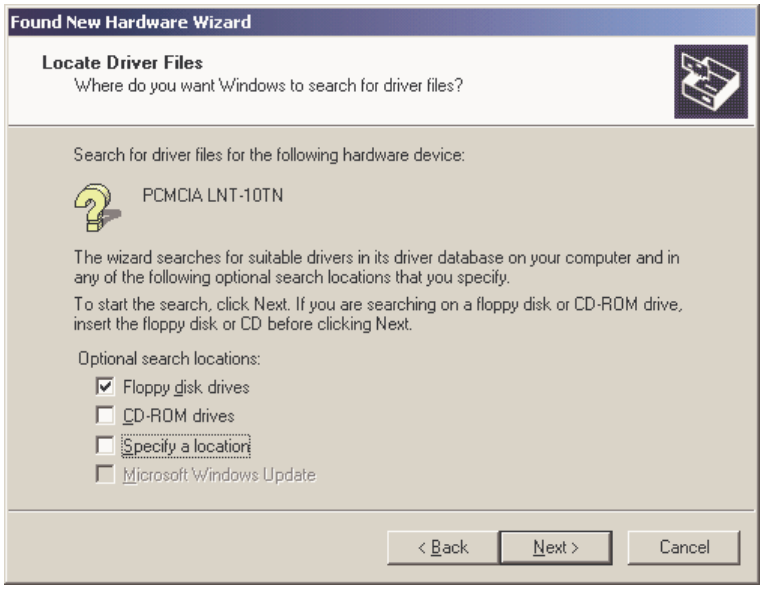
1. Make sure your PC is powered on and booted into Windows.

2. Insert the Ethernet Card into a spare PCMCIA slot in your PC. The system will display the **"Found New Hardware Wizard"** dialog box. Insert the driver diskette into floppy drive and click **"Next"**.

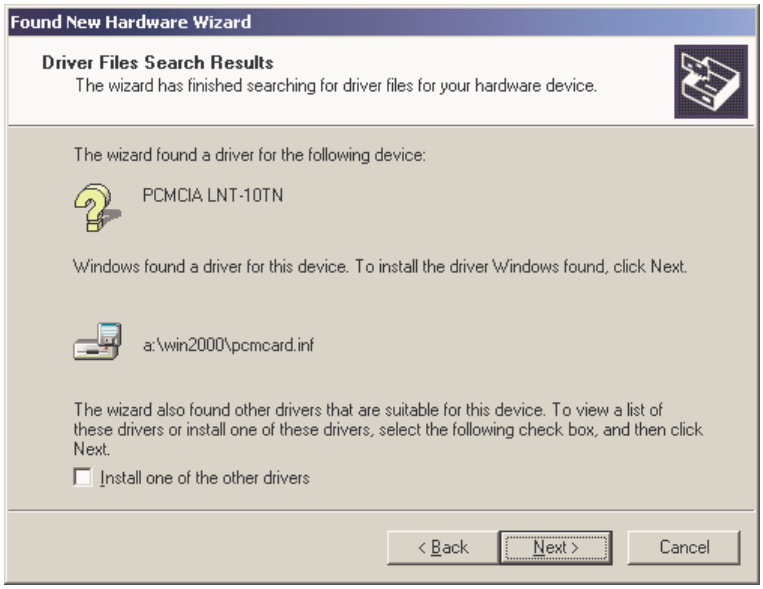
3. Select **"Search for a suitable driver for my device (Recommended)"**, and click **"Next"**.



4. Select **"Floppy disk drives"** (or select **"Specify a location"** and type **"A:\WIN2000"** in the location).



5. After Windows finds the driver, the following prompt will appear: **"PCMCIA LNT-10TN"**. Click **"Next"**; the driver then installs itself.



6. When Windows finishes the installation, the **"PCMCIA NE2000 Compatible Ethernet Adapter"** message box will be displayed. Click **"Next"** to continue.

7. Restart the computer. After the computer has restarted the network function will be ready.

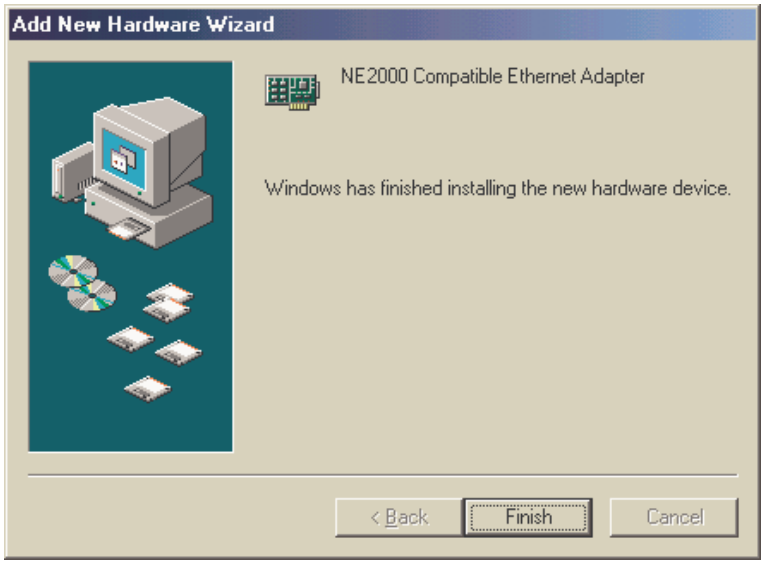
Setup for Windows ME

1. Make sure your PC is powered on and booted into Windows.

2. Insert the Ethernet Card into a spare PCMCIA slot in your PC. The **"Add New Hardware Wizard"** will be displayed. Select **"Automatic search for a better driver"**, and insert the driver disk. Click **"Next"** The system will display the **"Found New Hardware Wizard"** dialog box. Insert the driver diskette into floppy drive and click **"Next"**.

3. Windows ME will search and automatically install the driver files.

4. After copying the driver files, the device installation is complete. Click **"Finish"**.

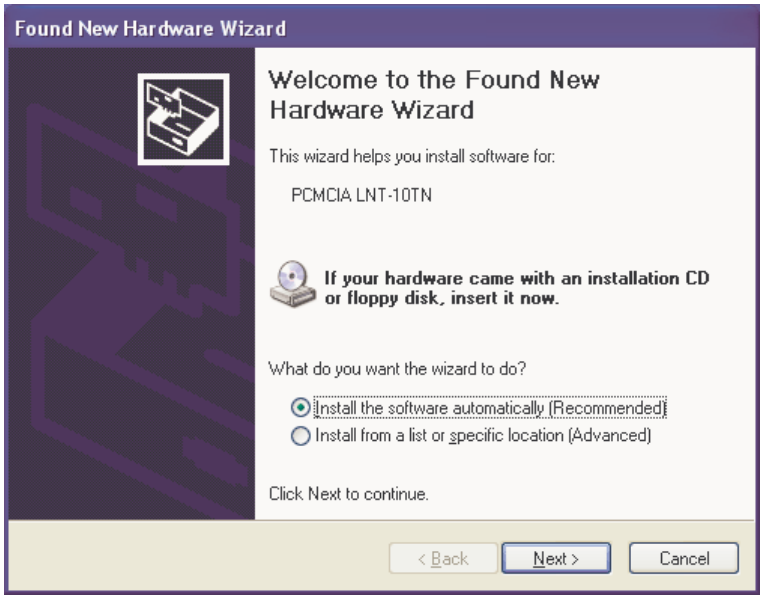


5. The network function is now ready.

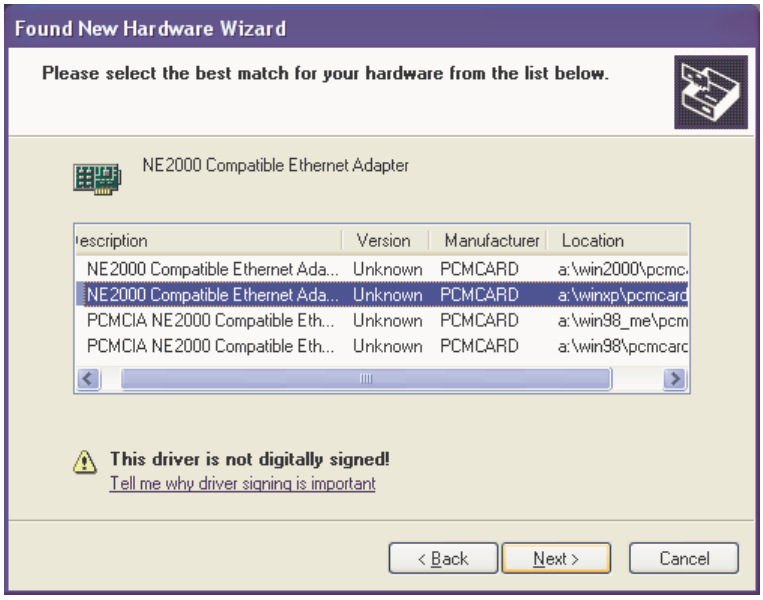
Setup for Windows XP

1. Make sure your PC is powered on and booted into Windows.

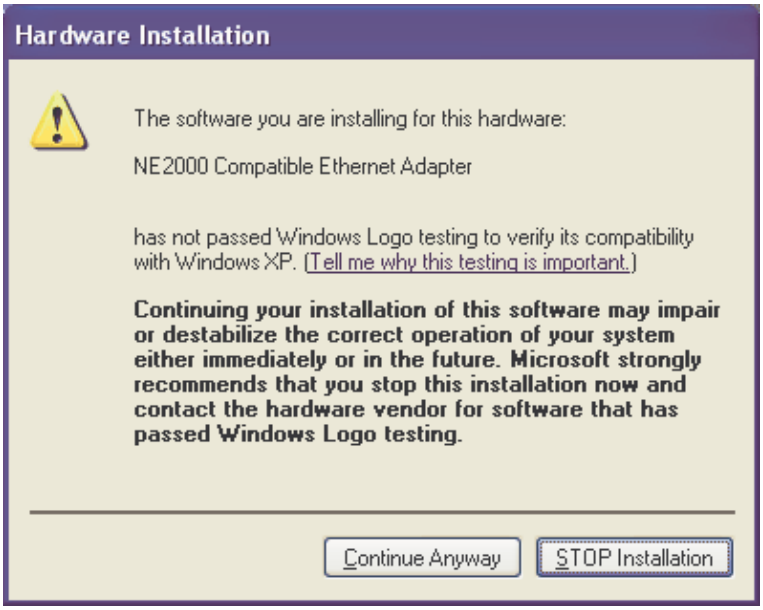
2. Insert the Ethernet Card into a spare PCMCIA slot in your PC. Windows XP will recognize the device. The **"Found New Hardware Wizard"** will be displayed. Select **"Install the software automatically (Recommended) "** and insert the driver disk and click **"Next"**.



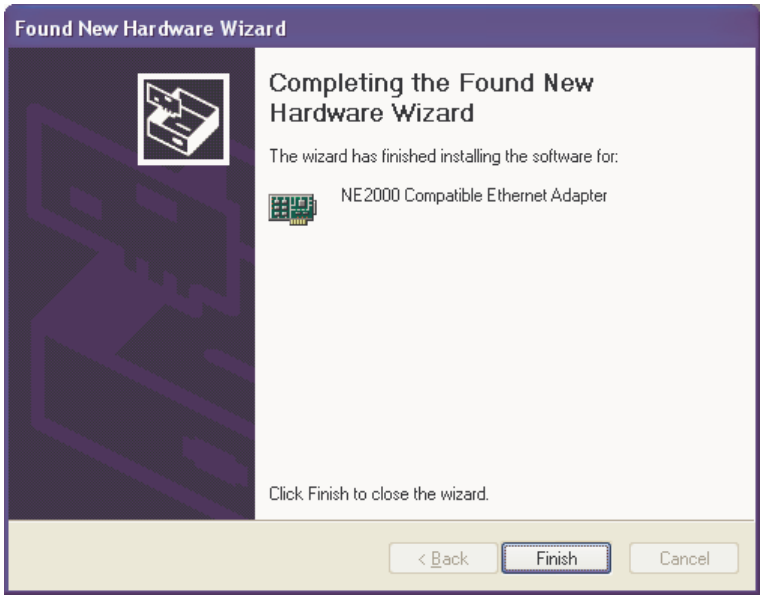
3. Select the XP driver from the and click **"Next"**.



4. The system will state that the driver has not passed Windows logo testing. Click **"Continue Anyway"**. Windows will automatically copy the relevant driver files.



5. After copying the driver files, installation is complete. Click **"Finish".** The network function is now ready.



This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operations.